Integral University, Lucknow
Department of Physics
Study and Evaluation Scheme of Post Graduate Program M.Sc. Physics
w.e.f. Session 2020-21

Year: First / Semester: First (Odd Semester)

S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes							SDG
							CIE			UE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values	Professional Ethics	
				L	T	P	CT	TA	CIE Total	ESE											
THEORY																					
1	PY401	Mathematical Physics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
2	PY402	Classical Mechanics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
3	PY403	Quantum Mechanics-I	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
4	PY404	Statistical Mechanics- I	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
5	PY405	Solid State Electronics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 11 SUSTAINABLE CITIES AND COMMUNITIES
PRACTICAL																					
6	PY406	General and Optics Lab	Core	0	0	9	40	20	60	40	100	0:0:4	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
			Total	**15**	**5**	**9**	**240**	**120**	**360**	**240**	**600**	**24**	**24**								

Integral University, Lucknow
Department of Physics
Study and Evaluation Scheme of Post Graduate Program M.Sc. Physics
w.e.f. Session 2020-21

Year: First / Semester: Second (Even Semester)

S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes							SDG
							CIE			UE											
				L	T	P	CT	TA	CIE Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values	Professional Ethics	
THEORY																					
1	PY407	Quantum Mechanics-II	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
2	PY408	Electromagnetic Theory	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
3	PY409	Condensed Matter Physics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
4	PY410	Nuclear and Particle Physics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
5	PY411	Digital Electronics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					4 QUALITY EDUCATION, 11 SUSTAINABLE CITIES AND COMMUNITIES
PRACTICAL																					
6	PY412	Programming and Condensed Matter Physics Lab	Core	0	0	9	40	20	60	40	100	0:0:4	4	✓		✓					4 QUALITY EDUCATION, 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
			Total	**15**	**5**	**9**	**240**	**120**	**360**	**240**	**600**	**24**	**24**								